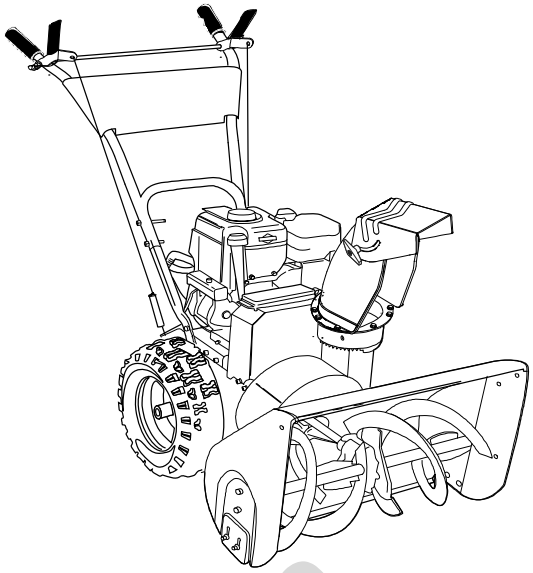
Simplicity®

Parts Manual



24" Dual Stage

Snowthrower

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Attachment

Mfg. No.	Description
1695515	H924RX, 9TP 24" Snowthrower (CE/Export)

Part No.: 1737538
Rev. 12/2008
TP 400-5017-01-LW-S

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Torque Specification Chart ..... Inside Back Cover

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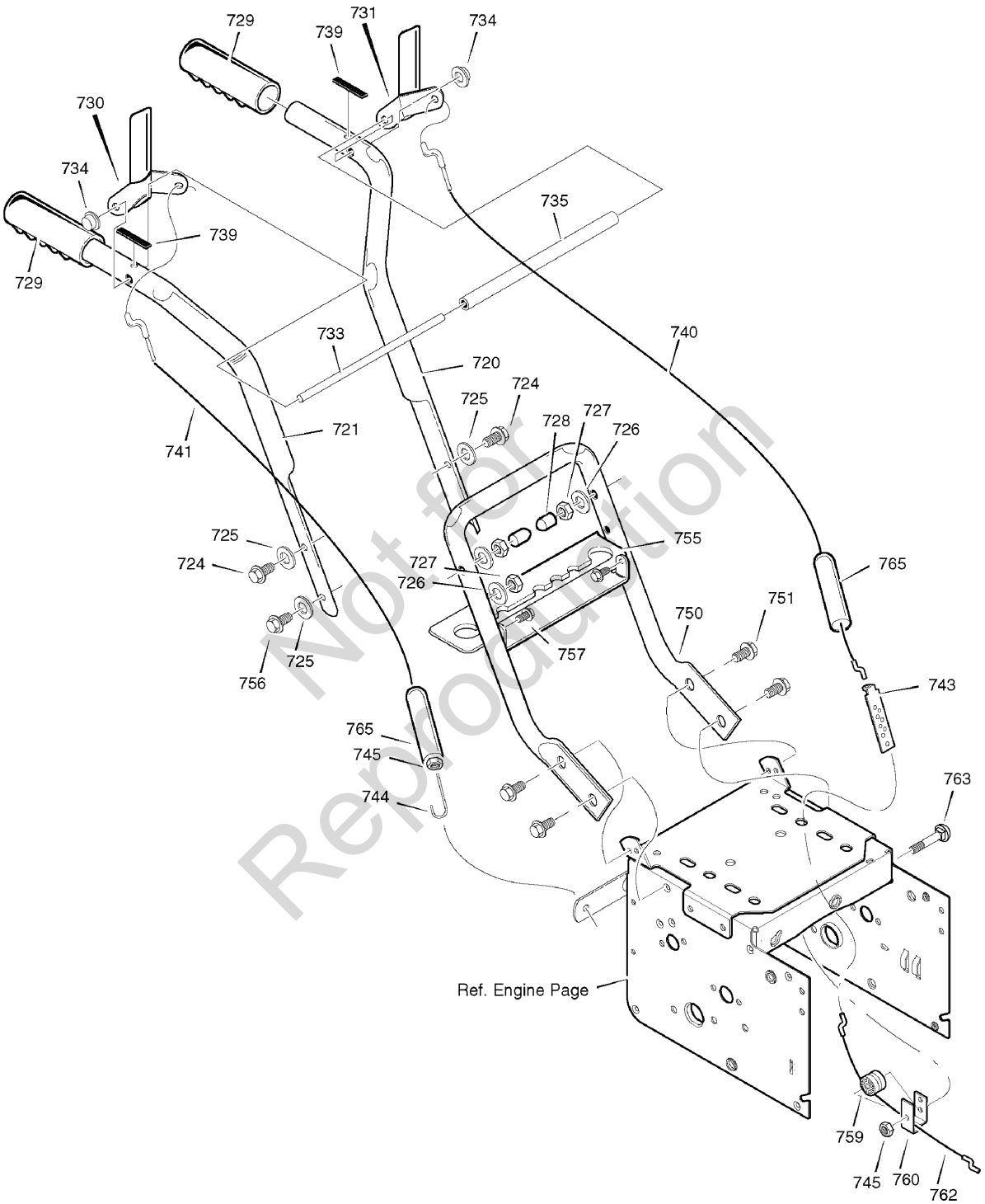
Handle Assembly Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

1742038



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1695515 - H924RX

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Handle Assembly Group

REF NO	PART NO.	QTY.	DESCRIPTION
720	1740587ASM	1	HANDLE, UPPER LH
721	1740573ASM	1	HANDLE, UPPER RH
724	11234MA	1	SCREW, 5/16-18 x 2.75
725	71071MA	3	WASHER, FLAT
726	71060MA	1	WASHER, SPTLK .31X.58X.08
727	15X144MA	3	NUT, 5/16-18 REGHEX
728	11261MA	3	STOP, RED PLASTIC
729	337399MA	2	GRIP-HANDLE FINGER
730	1740700AYP	1	LEVER, ASSY CLUTCH DRIVE RH
731	1740699AYP	1	LEVER, ASSY CLUTCH DRIVE LH
733	337381MA	1	ROD, PIVOT CLUTCH
734	761105MA	2	NUT, PUSH ON CAP
735	337373MA	1	SPACER-HANDLE
739	4049MA	2	BUMPER, RECTANGLE
740	1501123MA	1	CABLE, CLUTCH 28.44L
741	761872MA	1	CABLE, AUGER CLUTCH
743	313441MA	1	BRACKET, CABLE ADJUSTER
744	1673MA	1	SPRING, AUGER CLUTCH
745	15X145MA	2	NUT, 1/4-20
750	1740701ASM	1	HANDLE, LOWER
751	25X021MA	4	SCREW
755	1740698ASM	1	BRKT, GEAR SELECTOR
756	6751MA	2	SCREW, 5/16-18 x 2.00
757	310169MA	2	SCREW, 1/4-20 X 0.63
759	579860MA	1	SPOOL-CABLE, AUGER CLUTCH
760	1501059YZMA	1	BRACKET, CABLE SPOOL YZ
762	1501122MA	1	CABLE, LOWER DRIVE 12"
763	001798MA	1	BOLT, HEX 1/4-20 X 1.50 YZ
765	308146MA	2	BOOT, CLUTCH SPRING

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Footnotes

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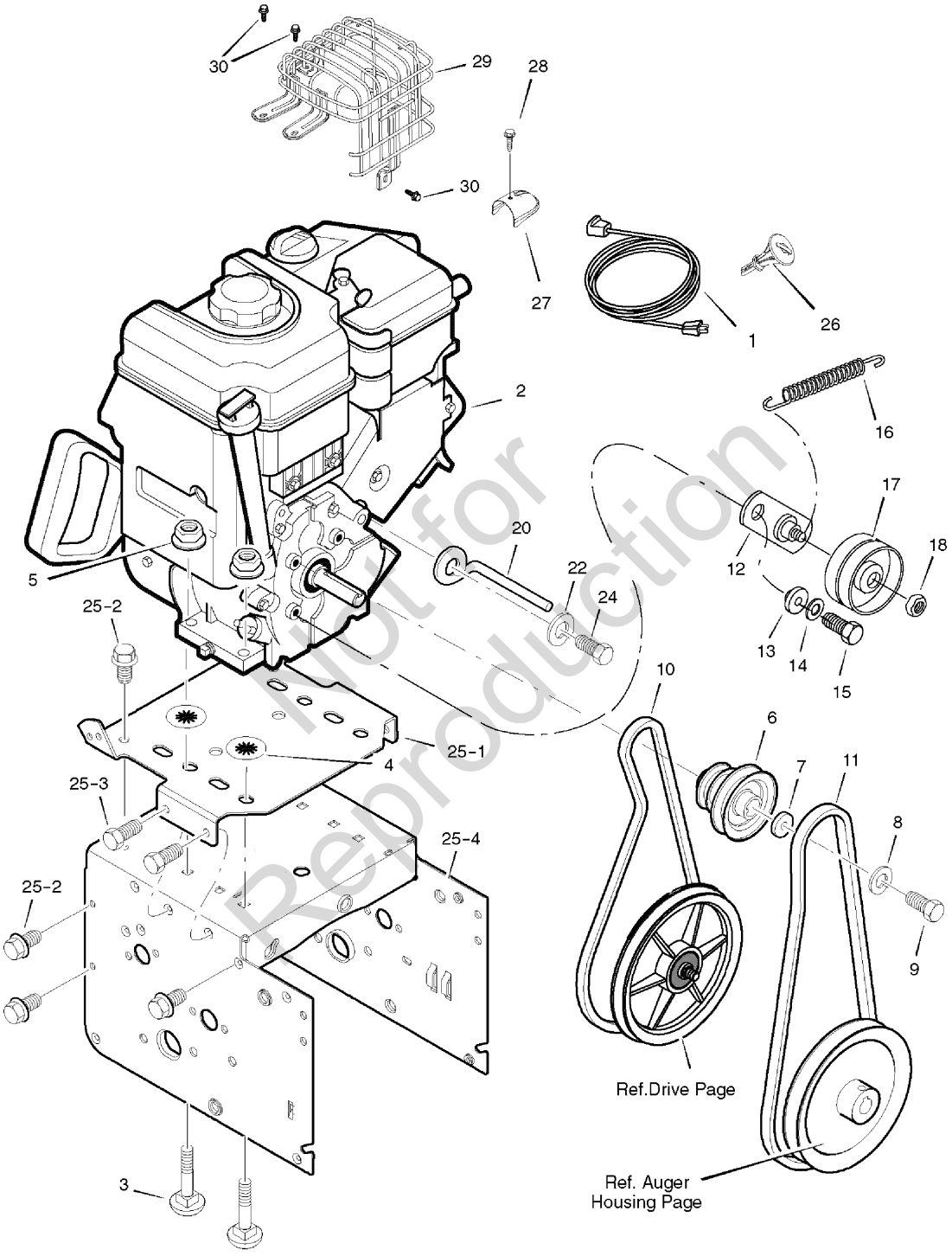
Engine Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

1742202



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Engine Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	6219MA	1	CORD, Starter
2	-----	1	ENGINE (Model# 12D1160124E8)
3	002X97MA	4	BOLT, CARRIAGE 5/16-18
4	028X76MA	4	RETAINER, PUSH
5	1960686SM	4	NUT 5/16-18
6	1736102YP	1	PULLEY, ENGINE
7	17X146MA	1	WASHER
8	71060MA	3	WASHER .38ID
9	910828MA	1	SCREW, 3/8-24 x 1.00
10	1733324SM	1	BELT, V 3L
11	1736421YP	1	BELT, V 4L
12	1501112YZMA	1	BRACKET ASSEMBLY, IDLER
13	1501065MA	1	BUSHING, IDLER BRACKET
14	71060MA	1	WASHER, SPLIT
15	710097MA	1	SCREW 5/16-24 X 0.75
16	53704MA	1	SPRING, IDLER TRACTION DRIVE
17	1502120MA	1	PULLEY, IDLER
18	590MA	1	NUT, JAM 3/8-16
20	1501201MA	1	GUIDE, BELT
22	71060MA	1	WASHER .31X.58X.08
24	710097MA	2	SCREW, 5/16-24 x 0.75
25	-----	1	FRAME, MOTORBOX (5-11HP)
25-1	1740574CYP	1	PLATE, ENGINE MOUNT
25-2	310169MA	1	SCREW, TAP 1/4-20 X .63
25-3	25X020MA	1	SCREW, TAP 5/16-18 X .50
25-4	1735753CYP	1	FRAME, MOTOR BOX
26	794696	1	KEY, BRIGGS ENGINE
27	794213	1	DEFLECTOR, Muffler
28	699854	1	SCREW,
29	1734732SM	1	HEAT SHIELD, Muffler
30	1736103SM	1	SCREW, Hex-Washer

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Footnotes

Note* See your local Briggs & Stratton distributor for parts

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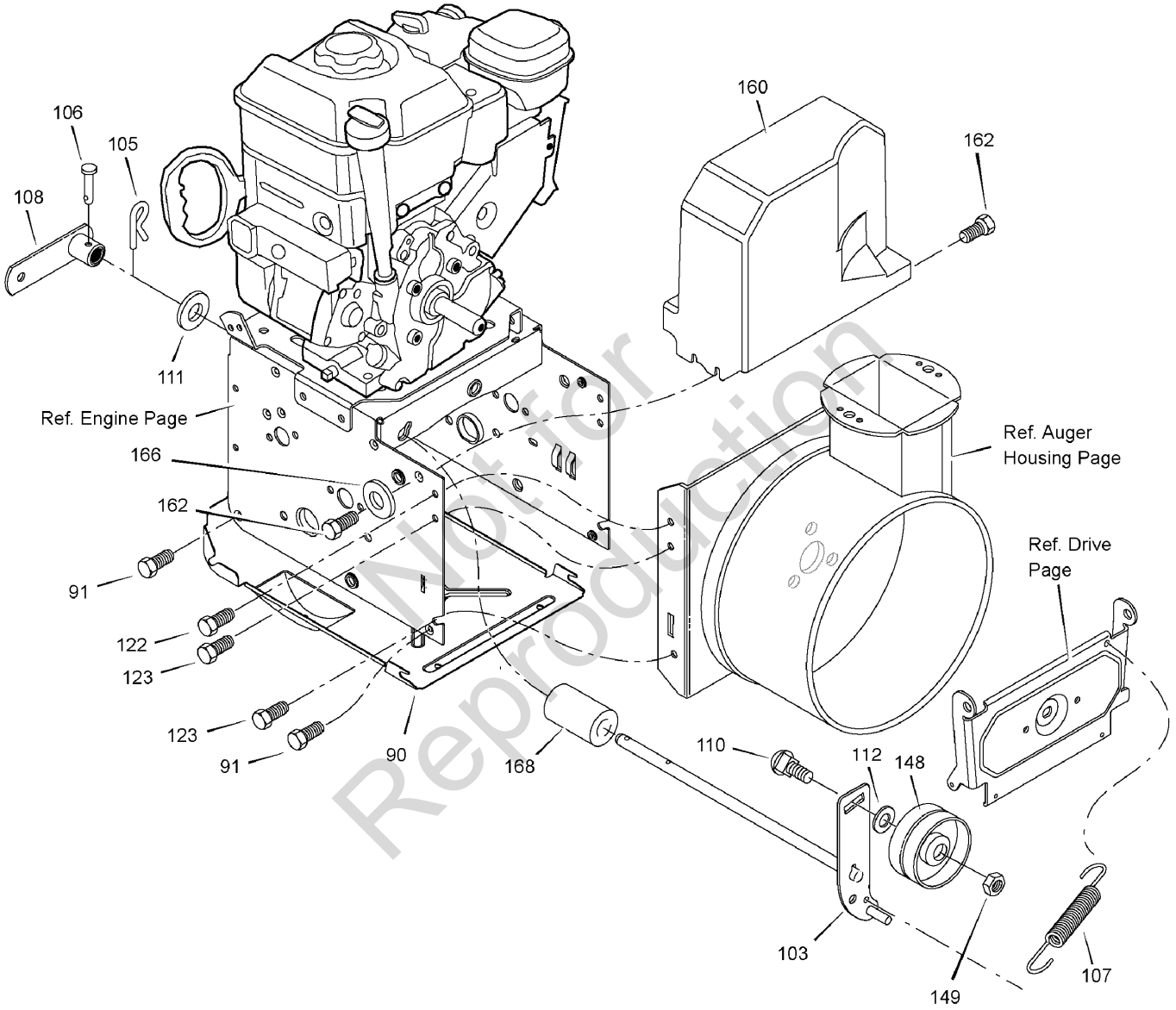
Frame Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

1742203



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Frame Group

REF NO	PART NO.	QTY.	DESCRIPTION
90	1740906ASM	1	COVER, BOTTOM
91	310169MA	12	SCREW, 1/4-20X .63
103	1501226YZMA	1	IDLER ASSEMBLY, AUGER
105	711682MA	1	PIN, HAIR .38DIAX1.64LG
106	1736381YP	1	PIN, CLEVIS 3/16" DIA
107	165X159MA	1	SPRING, TENSION
108	1733451SM	1	ARM, CONTROL
110	585781MA	1	BOLT, 3/8-16X1.25 CARR.
111	711617MA	2	WASHER, FLAT
112	017X48MA	1	WASHER
122	25X020MA	8	SCREW, TAP 5/16-18 X 0.50
123	25X021MA	2	SCREW, TAP 5/16-18 X 0.75
148	1502120MA	1	PULLEY, IDLER
149	590MA	1	NUT, JAM 3/8-16
160	1502169MA	1	COVER, BELT
162	26X306MA	1	SCREW, TAP
166	71067MA	1	WASHER, FLAT
168	1502041MA	1	SPACER, AUGER BRACKET

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Footnotes

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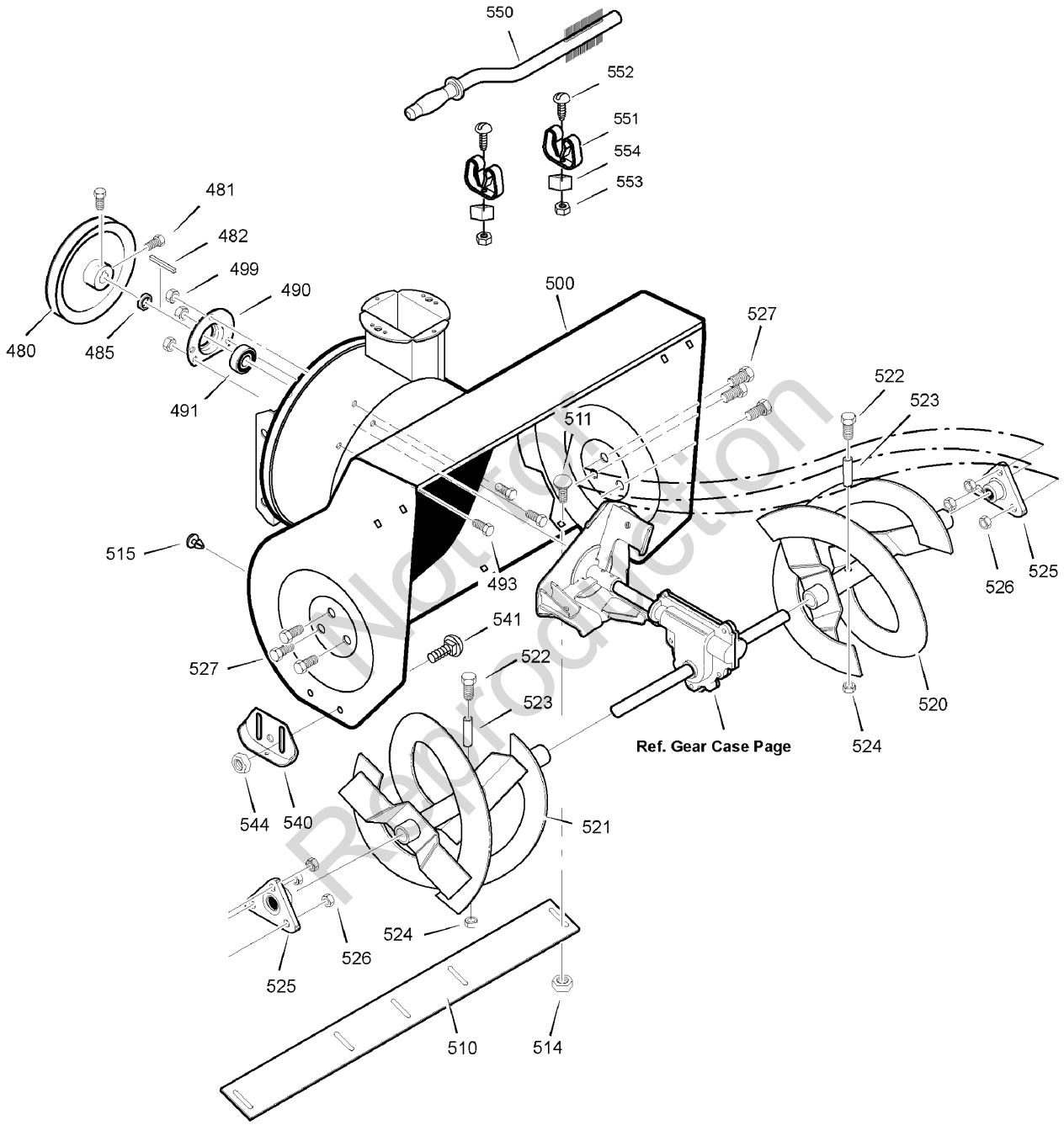
Auger Housing Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

1742204



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Auger Housing Group

REF NO	PART NO.	QTY.	DESCRIPTION
480	1501211MA	1	PULLEY, 4L 6.12X .67
481	577400MA	2	SCREW, 5/16-18 x 0.63
482	2001022MA	1	KEY, SQUARE 3/16 X 3/4
485	1501158MA	1	SPACER, FRICTION PULLEY
490	582957YZMA	1	RETAINER, BALL BRNG
491	1705897SM	1	BEARING, BALL
493	001X45MA	3	BOLT, HEX 5/16-18X .50
499	710026MA	1	NUT, 5/16-18 HEXWDFLLK
500	729061CYP	1	ASSY, HOUSING
510	760657E701MA	1	BLADE, SCRAPER
511	340720MA	5	BOLT, 5/16-18X.75
514	710026MA	12	NUT, 5/16-18
515	309235MA	2	PLUG
520	1501441E701MA	1	ASSY, LH AUGER
521	1501440E701MA	1	ASSY, RH AUGER
522	9524MA	2	SCREW, 1/4-20X1.75
523	3943MA	2	SPACER, SLEEVE
524	73826MA	2	NUT, 1/4-20
525	9517MA	2	BEARING, FLANGE
526	711862MA	6	NUT, 5/16-18
527	9357MA	6	SCREW, 5/16-18 x 0.75
540	1740912AYP	2	SKID, HEIGHT ADJUST
541	7090799SM	4	BOLT, 5/16-18 X .75
544	710026MA	1	NUT, 5/16-18
550	1736094YP	1	BRUSH, CLEANOUT
551	1501672MA	2	CLIP, RETAINER
552	06X115MA	2	SCREW
553	15X146MA	2	NUT
554	578063MA	1	BLOCK
--	1501216MA	1	KIT, SHEAR BOLT

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Footnotes

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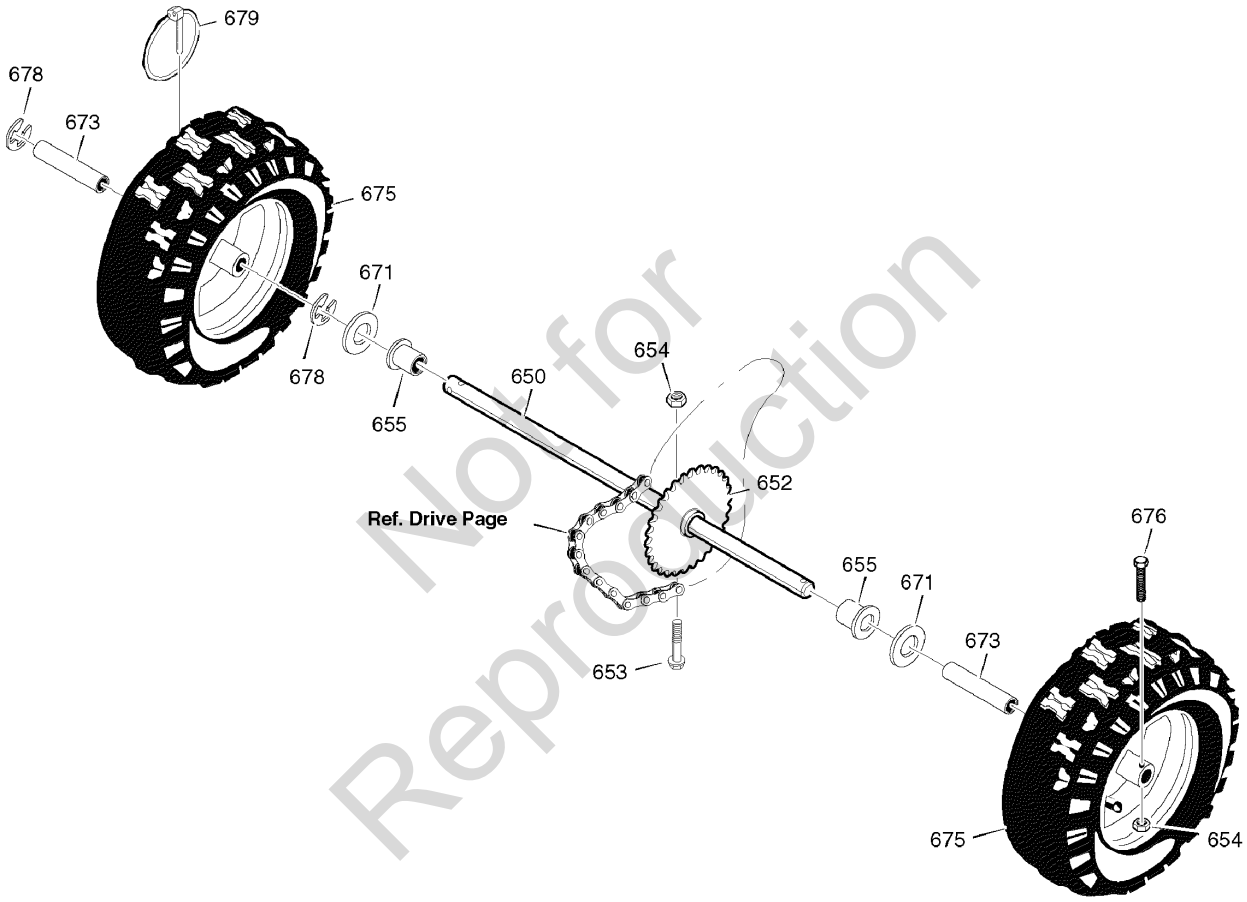
Wheel Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

1741949



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Wheel Group

REF NO	PART NO.	QTY.	DESCRIPTION
650	1501562YZMA	1	SHAFT, AXLE
652	1501089MA	1	SPRKT & HUB
653	01X193MA	1	SCREW, 1/4-20 x 1.75
654	15X145MA	1	NUT, 1/4-20 HEX NYLOCK
655	1501114MA	1	BEARING, AXLE
671	017X83MA	2	WASHER, FLAT
673	1501139MA	2	BUSHING, WHEEL
675	580349MA	1	TIRE & RIM
676	577015MA	1	SCREW, 1/4-20X1.75 HH
678	239MA	1	RING, RET
679	73842MA	1	PIN, KLIK .25 X 1.38 DIA

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Footnotes

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Decals Group

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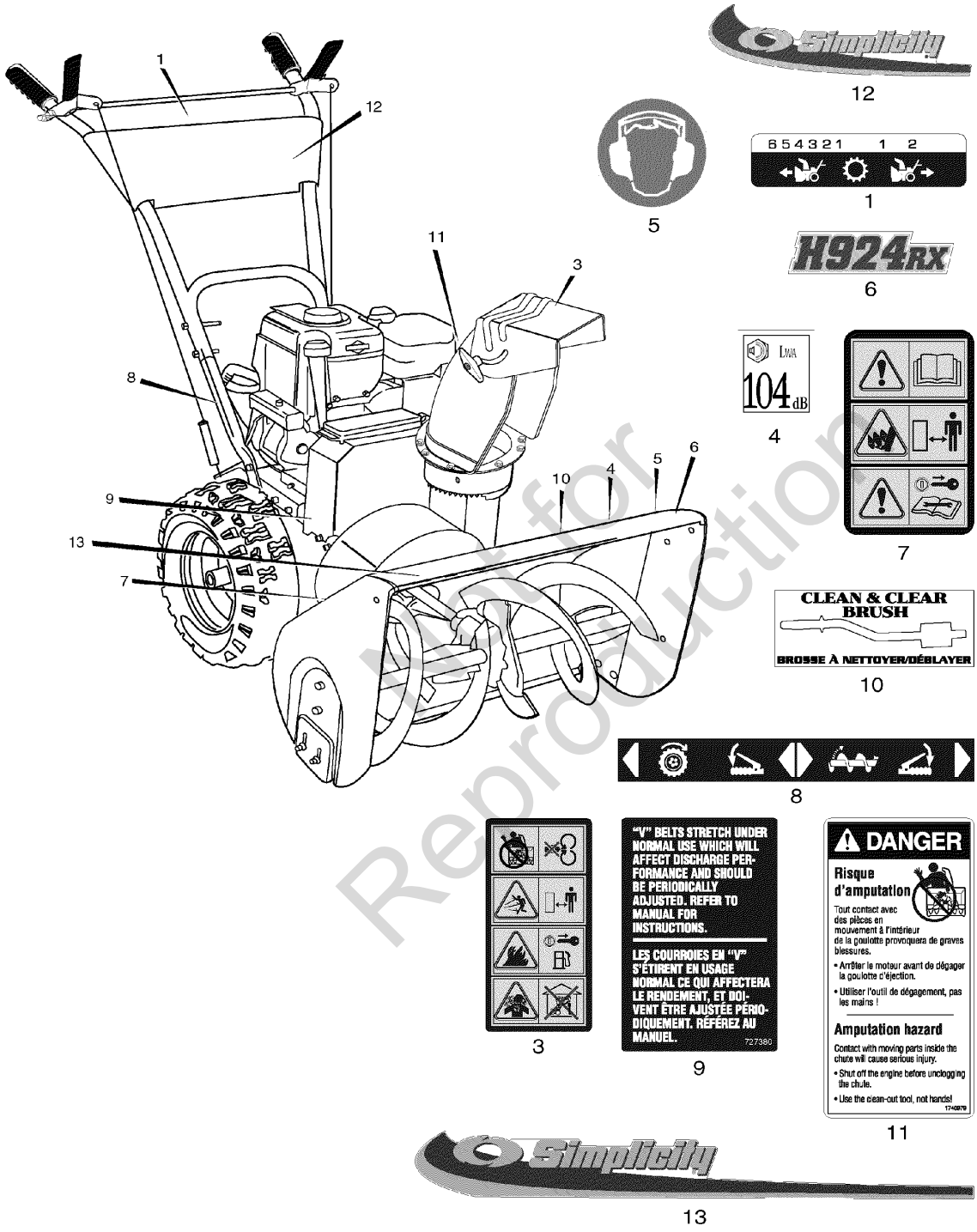
1742207



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Decals Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	1737053YP	1	DECAL, Gear Select
3	1742213YP	1	DECAL, ISO Chute CE
4	48X5386MA	1	DECAL, 104db CE
5	304427MA	1	DECAL, Face, Head Phones
6	1742240YP	1	DECAL, Model Number
7	1742212YP	1	DECAL, ISO Auger CE
8	48X5605MA	1	DECAL, Traction, Auger
9	5131MA	1	DECAL, Belt Adjustment
10	48X5960MA	1	DECAL, Clean & Clear Brush
11	1740979MA	1	DECAL, Danger, Chute
12	1735113SM	1	DECAL, Simplicity Swoosh
13	1733071SM	1	DECAL, Simplicity Stripe
--	1742227	1	OWNER'S MANUAL *

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Footnotes

Note* Not a serviceable part.

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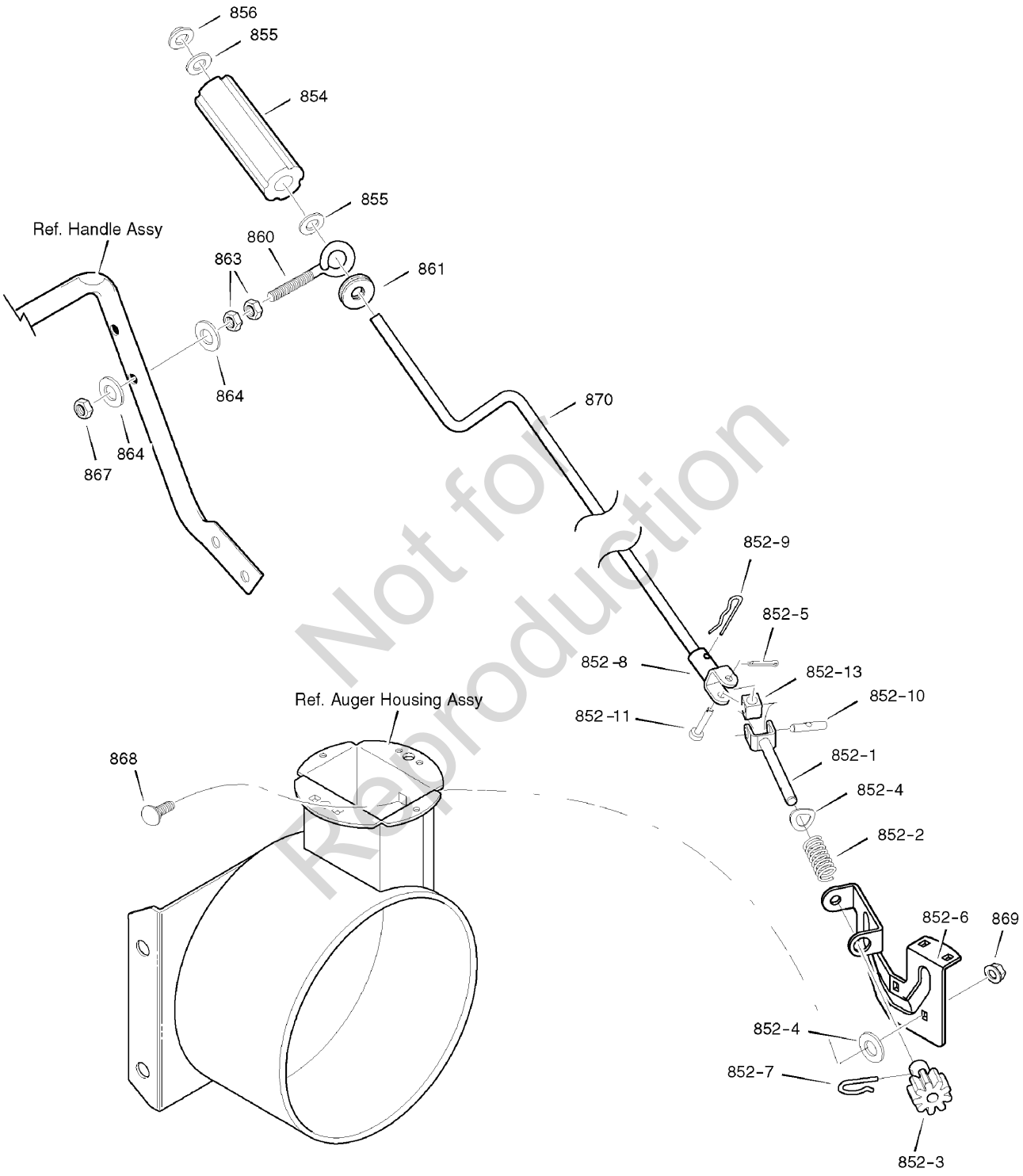
Chute Rod Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

1741718



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Chute Rod Group

REF NO	PART NO.	QTY.	DESCRIPTION
852-1	1501533YZMA	1	ASSEMBLY, YOKE & ROD
852-2	164X37MA	1	SPRING
852-3	1501067MA	1	GEAR, CHUTE ROTATION 9T
852-4	017X48MA	1	WASHER
852-5	579493MA	1	PIN, COTTER
852-6	1740591AYP	1	BRACKET, CHUTE GEAR
852-7	1501293MA	1	PIN, HAIR
852-8	1501075YZMA	1	ASSEMBLY, YOKE ADAPTER YZ
852-9	711682MA	1	PIN, HAIR
852-10	578060MA	1	PIN, UNIVERSAL JOINT
852-11	578309MA	1	PIN, CLEVIS
852-13	578063MA	1	HOUSING, UNIVERSAL
854	51443MA	1	KNOB, SLEEVE
855	309312MA	1	FLATWASHER
856	73664MA	1	NUT, PUSH ON 3/8"
860	1501456MA	1	EYE BOLT 3/8-16X6.50
861	148MA	1	GROMMET, EYE BOLT
863	71045MA	1	NUT, 3/8-16 HEXJAM
864	71072MA	1	FLATWASHER .406X.81X.066
867	71046MA	1	NUT, 3/8-16 HEXNYL
868	02X101MA	1	BOLT, CARRIAGE 1/4-20 X 1.00
869	15X145MA	1	NUT, 1/4-20
870	1501074YZMA	1	CRANK, ASSY CHUTE

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Footnotes

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Control Panel Group

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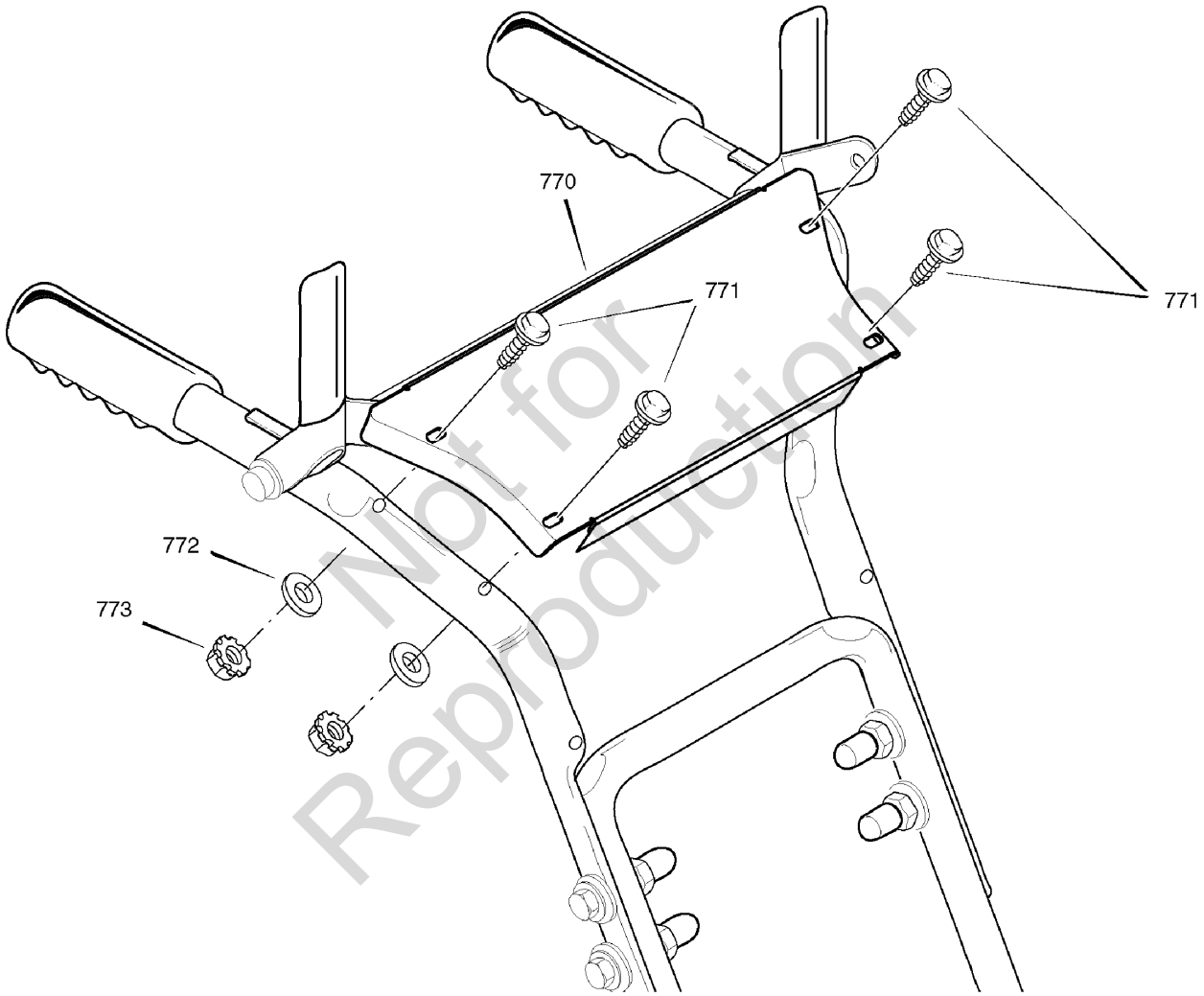
1742206



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Control Panel Group

REF NO	PART NO.	QTY.	DESCRIPTION
770	1740930CYP	1	PANEL
771	002X99MA	4	BOLT, Carriage, 25-20 X 1-1/2"
772	71067MA	4	WASHER
773	15X145MA	4	NUT

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Discharge Chute Group

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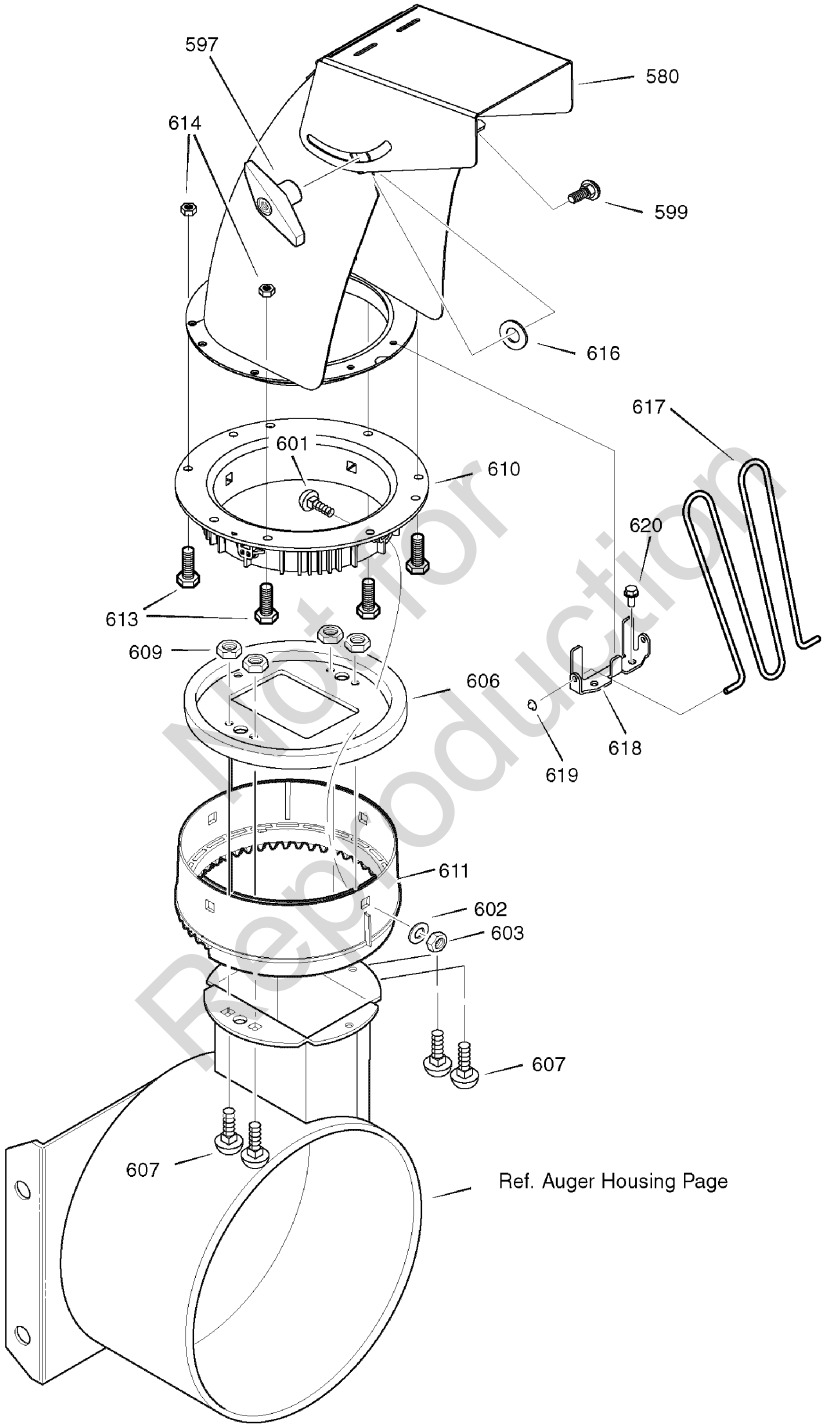
1742205



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Discharge Chute Group

REF NO	PART NO.	QTY.	DESCRIPTION
580	1736380CYP	1	CHUTE ASSEMBLY
597	1501260MA	1	WING KNOB
599	1931333SM	1	BOLT, 5/16-18 X .75
601	2X100MA	1	BOLT, 5/16-18 X 1.00
602	71071MA	1	WASHER, Flat
603	71038MA	1	NUT, Hex, Nylock, 5/16-18
606	1501932YZMA	1	CHUTE Collar
607	02X101MA	1	SCREW, 1/4-20 X 0.75
609	15X145MA	1	NUT, 1/4-20 Hex Nylock
610	1741917YP	1	RING, Retainer, Inner
611	1501282MA	1	RING, Retainer, Outer
613	1935450SM	4	CAPSCREW, Hex-Flange, 1/4-20 x .75
614	5025391SM	4	NUT, Hex, Nylock Flange, 1/4-20
616	2860210SM	1	WASHER, Nylon
617	1733475SM	1	GUARD, Chute
618	1733967AYP	1	BRACKET, Chute Guard
619	1960140SM	2	NUT, Push
620	1925003SM	2	SCREW, Hex-Washer, Taptite, 1/4-20 X 1/2"

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Drive Group

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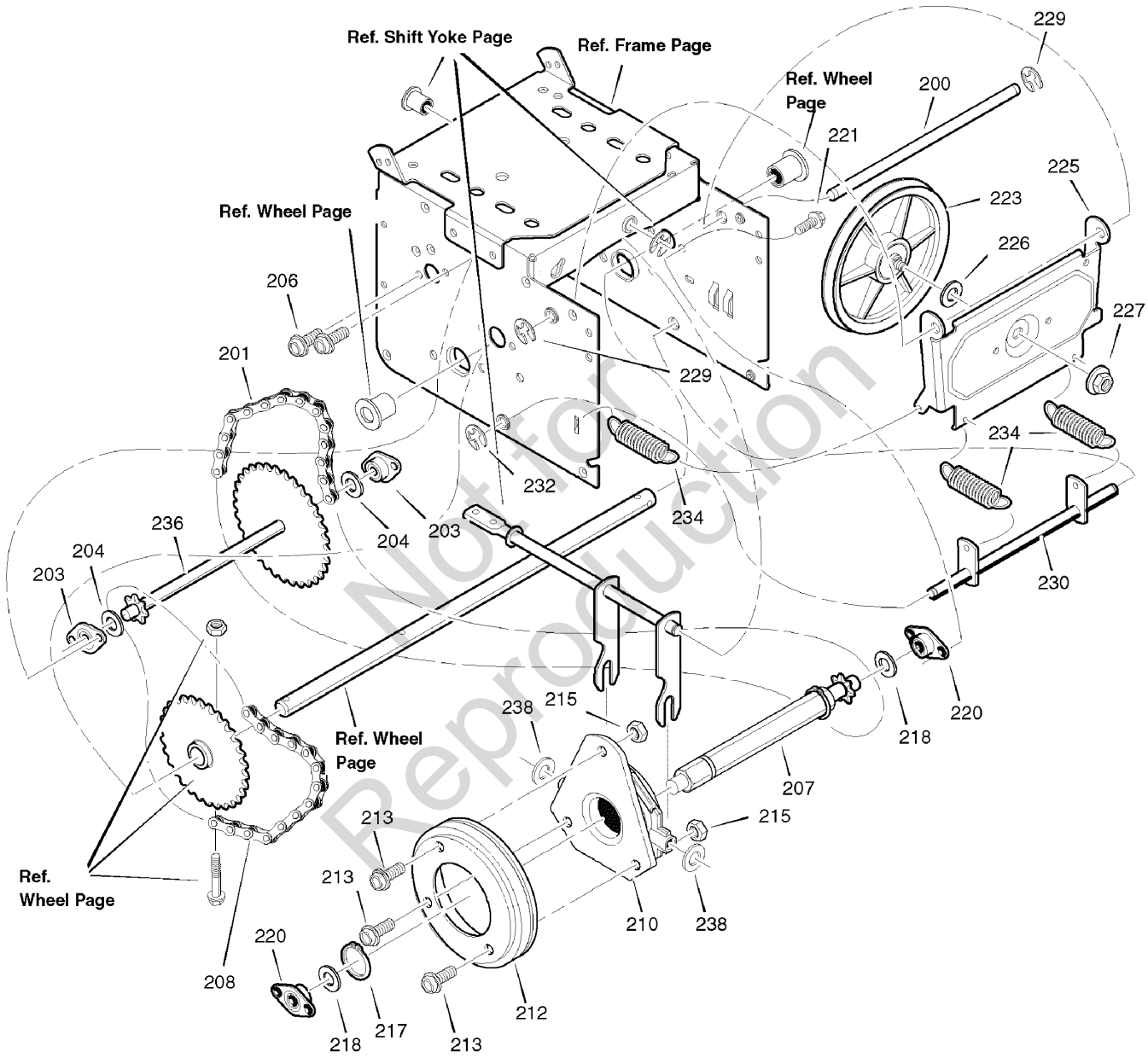
1740818



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Drive Group

REF NO	PART NO.	QTY.	DESCRIPTION
200	1501092YZMA	1	LF AXLE, SWING PLATE YZ
201	579851MA	1	CHAIN, ROLLER #420x19.00
203	334163MA	1	BEARING AND RETAINER, ASSY
204	579858MA	1	WASHER
206	25X020MA	1	SCREW, TAP 5/16-18 x 0.5
207	1501236MA	1	ASSY, HEX SHAFT
208	579868MA	1	CHAIN, ROLLER #420x18.00 LG
210	337029MA	1	BEARING, TRUNION CLUTCH R
212	1501435MA	1	WHEEL, FRICTION DISC
213	001X38MA	3	BOLT
215	303008MA	3	NUT, KEPS HEX 1/4-20
217	1733326SM	1	RING, RETEXT
218	579858MA	4	WASHER
220	334163MA	4	BEARING AND RETAINER, ASSY
221	25X020MA	8	SCREW, TAP 5/16-18 x .5
223	1501115MA	1	FRICTION PULLY
225	1501057YZMA	1	LF PLATE, SWINGING YZ
226	1501158MA	1	SPACER, FRICTION PULLEY
227	15X114MA	1	NUT, FLANGE LOCK 3/8-24
229	11X30MA	4	RETAINER, RING
230	1502105YZMA	1	ASSY, LF SPRING LINK YZ
232	11X30MA	1	RETAINER, RING
234	1736469YP	3	SPRING, EXTENSION
236	1501237MA	1	WLD, INTERMED SPROCKET 33T/7
238	71074MA	2	WASHER, FLAT

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Gear Case Group

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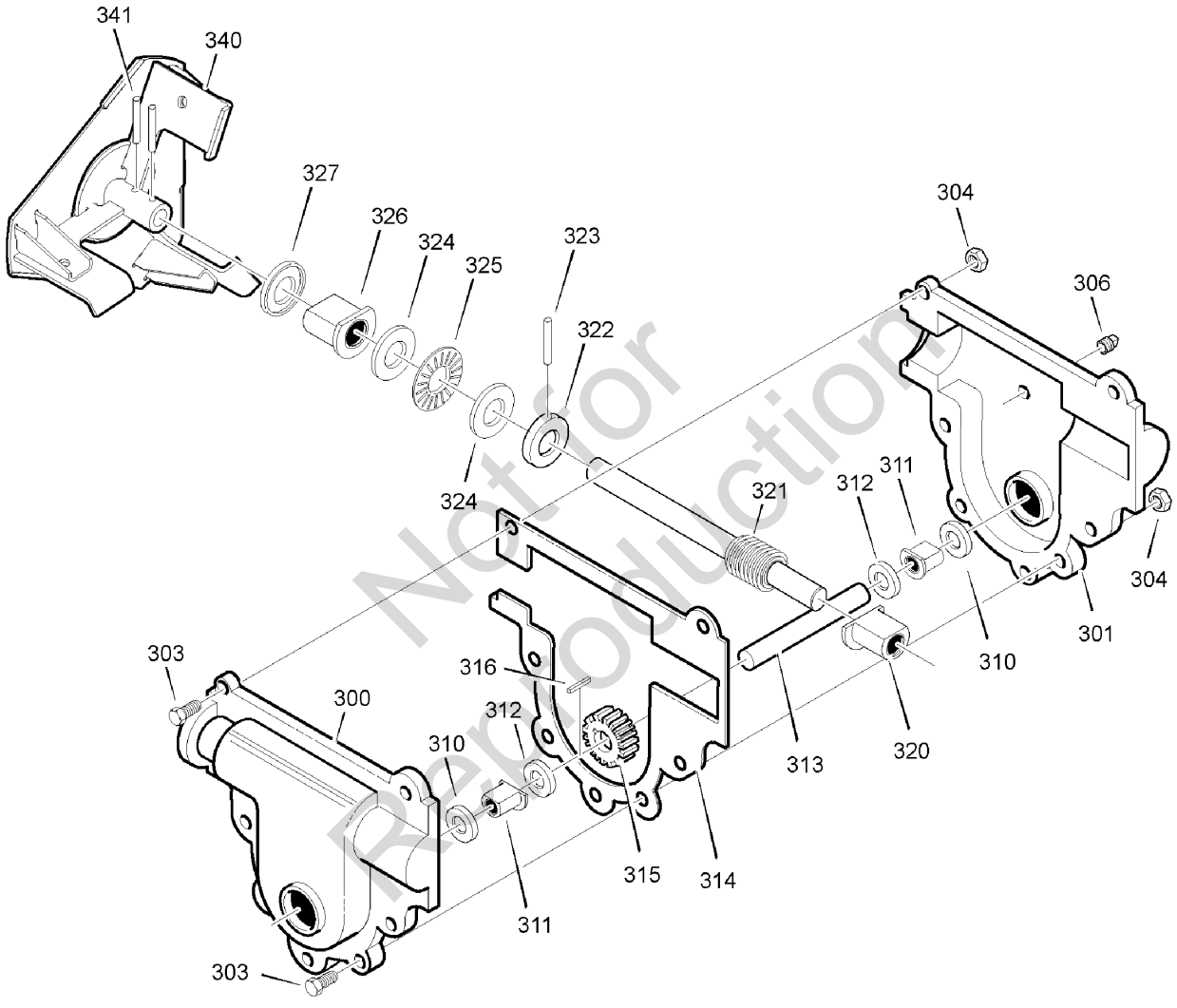
1741617



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Gear Case Group

REF NO	PART NO.	QTY.	DESCRIPTION
300	10577MA	1	CASE, GEAR, RH
301	10576MA	1	CASE, GEAR, LH
303	710025MA	7	SCREW,1/4-20X.75
304	15X143MA	7	NUT,1/4-20
306	9344MA	1	SCREW, 3/8-16 x 0.50
310	9566MA	1	SEAL, OIL
311	50304MA	1	BEARING, FL
312	48275MA	1	WASHER, FLAT
313	1501189MA	1	SHAFT, AUGER OUTPUT
314	51279MA	1	GASKET, GEAR BOX
315	51405MA	1	GEAR, WORM
316	431787MA	1	KEY, WOODRUFF #61
320	50221MA	1	BRNG, FL
321	1501191MA	1	SHAFT, AUGER INPUT (IMPELLER)
322	580295MA	1	COLLAR, THRUST
323	454565MA	1	PIN, SPRING
324	48275MA	4	WASHER, FLAT
325	50684MA	1	BRNG, ROLL
326	50304MA	3	BRNG, FL
327	9566MA	3	SEAL, OIL
340	1501188E701MA	1	IMPELLER
341	454565MA	3	PIN, SPRING
--	333431MA	1	10oz TUBE LUBRIPLATE (Not Illustrated)

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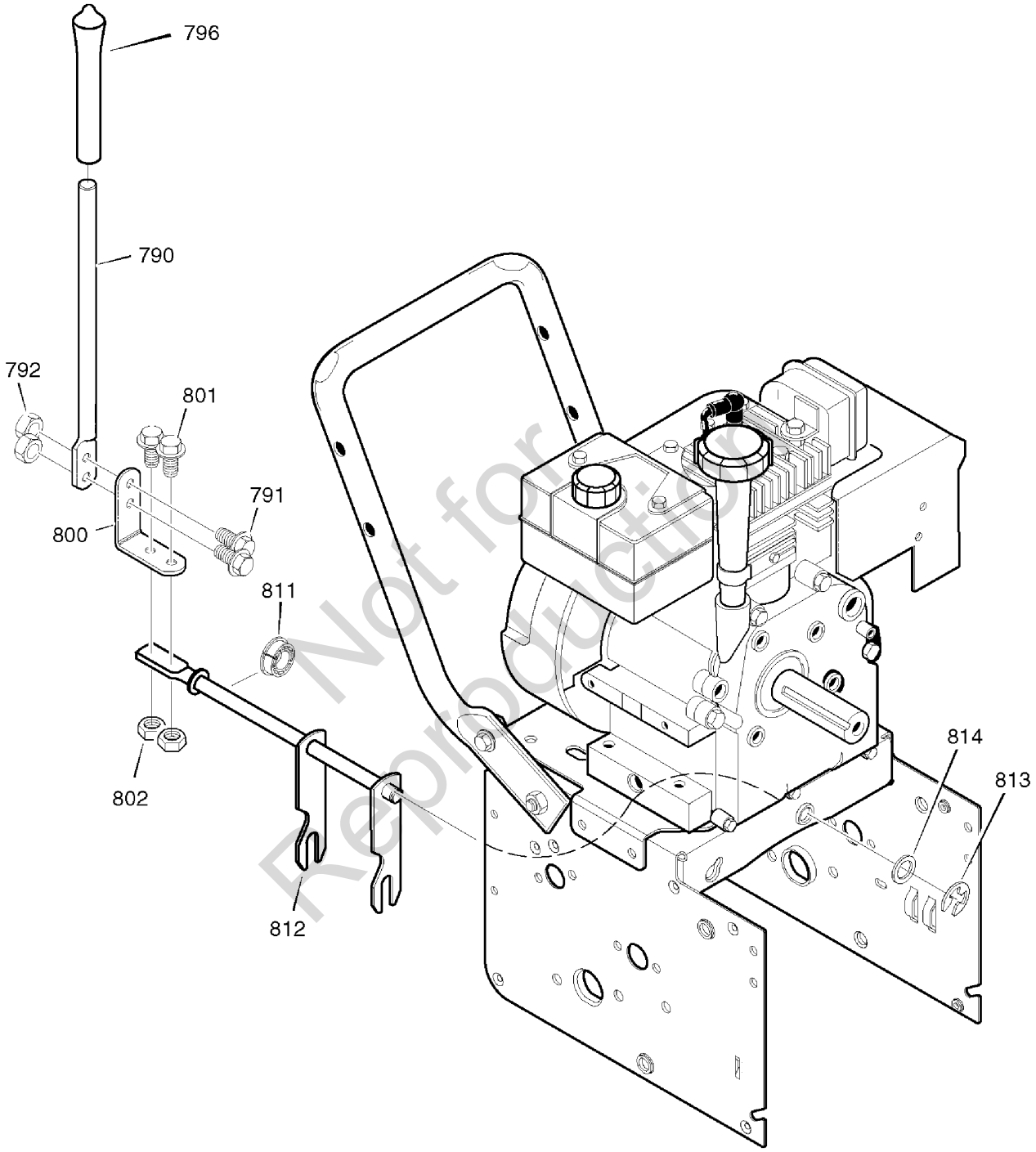
Shift Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

1740953



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1695515 - H924RX

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Shift Group

REF NO	PART NO.	QTY.	DESCRIPTION
790	1740946AYP	1	ROD, SHIFT
791	302628MA	1	SCREW, 1/4-20X.75
792	73826MA	1	NUT, 1/4-20
796	331624MA	1	KNOB, SLIP
800	760564MA	1	LEVER, SPRING
801	302628MA	1	SCREW, 1/4-20X.75
802	73826MA	1	NUT, 1/4-20
811	579944MA	1	BEARING, FLANGED
812	1501085YZMA	1	ROD ASSY., SPEED SELECT
813	11X30MA	1	RETAINER, RING
814	579858MA	1	WASHER

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Footnotes

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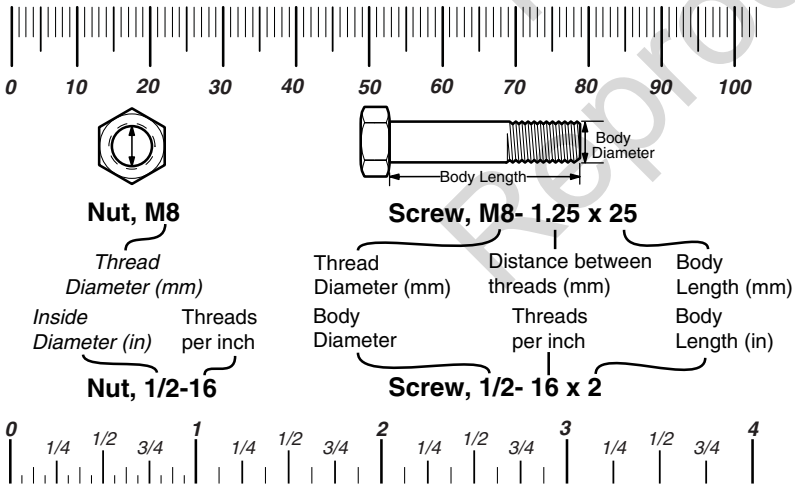
Hardware Identification & Torque Specifications

Torque Specification Chart

FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)

Property Class	5.6 Class 5.6		8.8 Class 8.8		10.9 Class 10.9		12.9 Class 12.9	
Size Of Hardware	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.
M3	*5.88*	*.56*	*13.44*	*1.28*	*19.2*	*1.80*	*22.92*	2.15
M4	*13.44*	*1.28*	*30.72*	*2.90*	*43.44*	*4.10*	*52.56*	4.95
M5	*26.4*	*2.50*	*60.96*	*5.75*	**5.97**	*8.10*	**7.15**	9.7
M6	*44.64*	*4.3*	**7.3**	*9.9*	**10.3**	*14*	**12.1**	16.5
M7	**5.2**	*7.1*	**12.1**	*16.5*	**16.9**	*23*	**19.9**	27
M8	**7.7**	*10.5*	**17.7**	*24*	**25**	*34*	**29**	40
M10	**15**	*21*	**35**	*48*	**50**	*67*	**59**	81
M12	**26**	*36*	**61**	*83*	**86.2**	*117*	**103**	140
M14	**42**	*58*	**101**	*132*	**136**	*185*	**162**	220
M16	**64**	*88*	**147**	*200*	**210**	*285*	**250**	340
M18	**89**	*121*	**202**	*275*	**287**	*390*	**346**	470
M20	**126**	*171*	**290**	*390*	**405**	*550*	**486**	660
M22	**169**	*230*	**390**	*530*	**559**	*745*	**656**	890
M24	**217**	*295*	**497**	*375*	**708**	*960*	**840**	1140
M27	**320**	*435*	**733**	*995*	**1032**	*1400*	**1239**	1680
M30	**435**	*590*	**995**	*1350*	**1401**	*1900*	**1681**	2280
M33	**590**	*800*	**1349**	*1830*	**1902**	*2580*	**2278**	3090
M36	**759**	*1030*	**1740**	*2360*	**2441**	*3310*	**2935**	3980
M39	**988**	*1340*	**2249**	*3050*	**3163**	*4290*	**3798**	5150

The guides and ruler furnished below are designed to help you select the appropriate hardware.


0 10 20 30 40 50 60 70 80 90 100
Body Diameter
Body Length
Nut, M8
Screw, M8- 1.25 x 25
Thread Diameter (mm)
Inside Diameter (in)
Threads per inch
Nut, 1/2-16
Thread Diameter (mm)
Distance between threads (mm)
Body Length (mm)
Body Diameter
Threads per inch
Body Length (in)
Screw, 1/2- 16 x 2
0 1/4 1/2 3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 3 1/4 1/2 3/4 4

Standard Hardware Sizing

When a washer or nut is identified as **1/2"** (M8), this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch (8mm metric thread diameter); if a second number is present it represents the *threads per inch* (distance between threads).

When bolt or capscrew is identified as **1/2 - 16 x 2"** (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number,16, represents the *threads per inch, (1.25 thread diameter).* The final number is the body length of the bolt or screw, 2 inches (50mm).

Torque Specification Chart

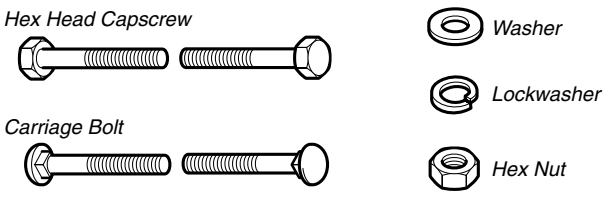
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.
8-32	*19*	2.1	*30*	3.4	*41*	4.6
8-36	*20*	2.3	*31*	3.5	*43*	4.9
10-24	*27*	3.1	*43*	4.9	*60*	6.8
10-32	*31*	3.5	*49*	5.5	*68*	7.7
1/4-20	*66*	7.6	**8**	10.9	**12**	16.3
1/4-28	*76*	8.6	**10**	13.6	**14**	19.0
5/16-18	**11**	15.0	**17**	23.1	**25**	34.0
5/16-24	**12**	16.3	**19**	25.8	**29**	34.0
3/8-16	**20**	27.2	**30**	40.8	**45**	61.2
3/8-24	**23**	31.3	**35**	47.6	**50**	68.0
7/16-14	**30**	40.8	**50**	68.0	**70**	95.2
7/16-20	**35**	47.6	**55**	74.8	**80**	108.8
1/2-13	**50**	68.0	**75**	102.0	**110**	149.6
1/2-20	**55**	74.8	**90**	122.4	**120**	163.2
9/16-12	**65**	88.4	**110**	149.6	**150**	204.0
9/16-18	**75**	102.0	**120**	163.2	**170**	231.2
5/8-11	**90**	122.4	**150**	204.0	**220**	299.2
5/8-18	**100**	136	**180**	244.8	**240**	326.4
3/4-10	**160**	217.6	**260**	353.6	**386**	525.0
3/4-16	**180**	244.8	**300**	408.0	**420**	571.2
7/8-9	**140**	190.4	**400**	544.0	**600**	816.0
7/8-14	**155**	210.8	**440**	598.4	**660**	897.6
1-8	**220**	299.2	**580**	788.8	**900**	1,244.0
1-12	**240**	326.4	**640**	870.4	**1,000**	1,360.0

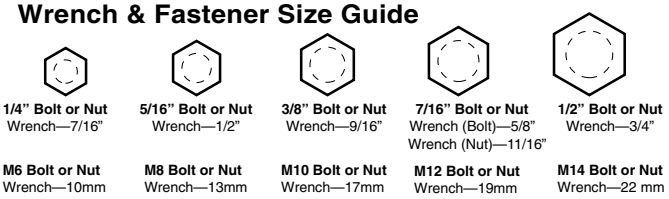
NOTES

1. These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
2. Recommended seating torque values for locknuts:
   a. for prevailing torque locknuts - use 65% of grade 5 torques.
   b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Common Hardware Types



Wrench & Fastener Size Guide



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